

Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Normality
Age	35.2	12.5	18	65	0.15	3.2	0.98
Gender	0.55	0.50	0	1	-0.05	3.0	0.99
Marital Status	0.65	0.48	0	1	0.10	3.1	0.98
Education	12.5	2.5	8	16	-0.20	3.3	0.97
Income	45000	15000	20000	80000	0.30	3.4	0.96
Health	0.75	0.43	0	1	-0.10	3.0	0.99
Stress	0.60	0.49	0	1	0.05	3.1	0.98
Life Satisfaction	0.70	0.45	0	1	-0.05	3.0	0.99
Work Satisfaction	0.65	0.47	0	1	0.10	3.1	0.98
Family Satisfaction	0.75	0.43	0	1	-0.10	3.0	0.99
Community Satisfaction	0.60	0.49	0	1	0.05	3.1	0.98
Overall Satisfaction	0.68	0.46	0	1	-0.05	3.0	0.99

Attorney docket number 208.1001.02

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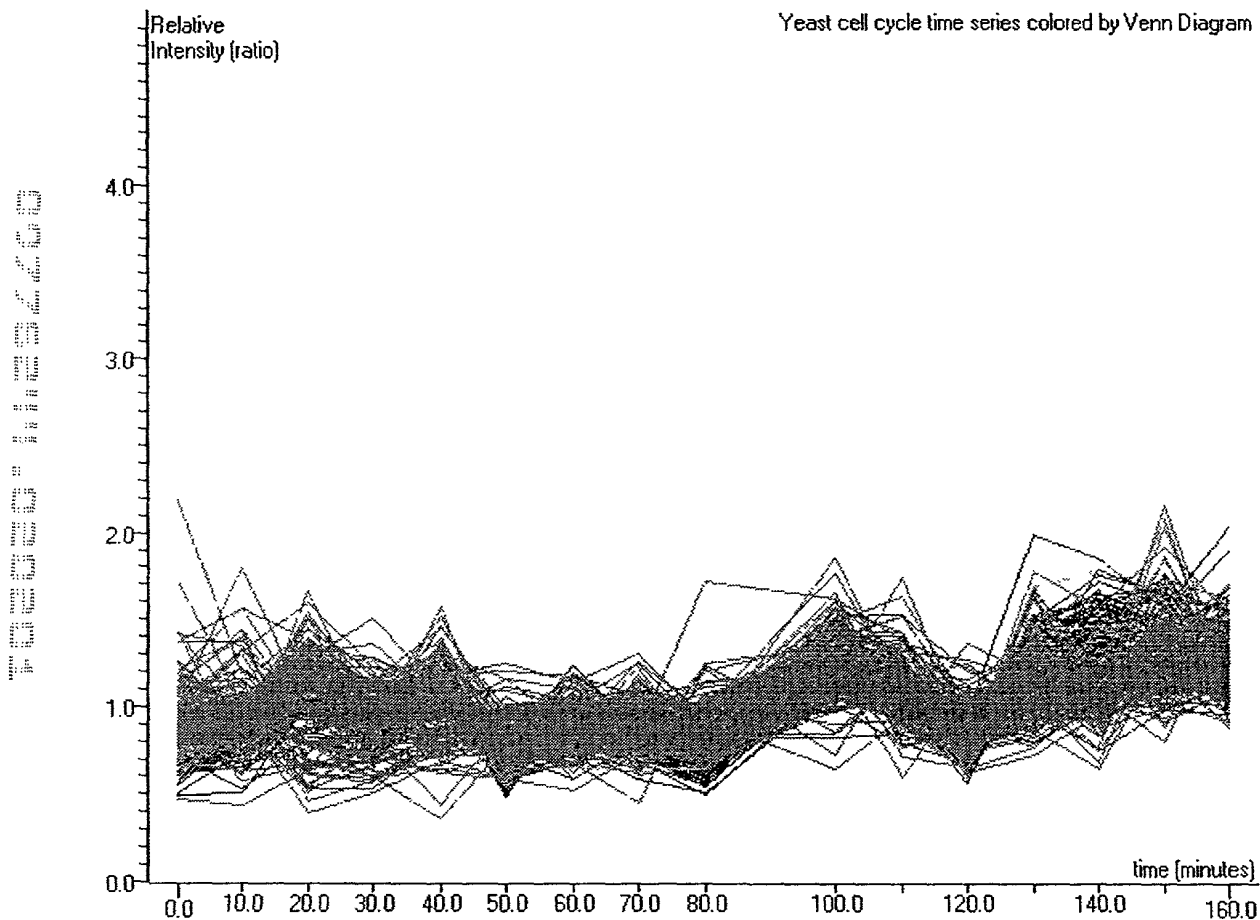
# Yeast cell cycle time series and ribosome

I was looking through your experiment called 'Yeast cell cycle time series' and found something I think you will find interesting.

I have found a set of 67 genes with similar expression patterns in 'Yeast cell cycle time series'. These genes are statistically similar to genes in another gene list containing 159 genes called 'ribosome'. 'ribosome' is a Gene List in the folder 'PIR keywords'. It was made by Andrew Conway from Silicon Genetics. These two lists share 18 genes in common.

There is of course a chance this is just a coincidence. I rate that chance at one in 1,252,202,449.

A picture is attached. If you would like to look at this in greater detail, please use the attached GeneSpring bookmark, [Report23haystack.gsp](#) or follow this link: [GenEx](#)



The co-regulated genes are plotted in red, and the genes in ribosome are plotted in green. If a gene is both, it is colored yellow.

**Genes in both lists:**

YBR048W (RPS11B)

YDL081C (RPP1A)

YDL130W (RPP1B)

YDR447C (RPS17B)

YDR450W (RPS18A)

Eide LG, Sander C, Prydz H. Sequencing and analysis of a 35.4 kb region on the right [corrected] arm of chromosome IV from *Saccharomyces cerevisiae* reveal 23 open reading frames. Yeast. 1996 Sep;12(10B Suppl):1085-90.

Folley LS, Fox TD. Reduced dosage of genes encoding ribosomal protein S18 suppresses a mitochondrial initiation codon mutation in *Saccharomyces cerevisiae*. Genetics. 1994 Jun;137(2):369-79.

YDR471W (RPL27B)

YDL136W (RPL35B)

YDL082W (RPL13A)

Higa S, Yoshihama M, Tanaka T, Kenmochi N. Gene organization and sequence of the region containing the ribosomal protein genes RPL13A and RPS11 in the human genome and conserved features in the mouse genome. Gene. 1999 Nov 29;240(2):371-7.

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YDL083C (RPS16B)

YDR012W (RPL4B)

Ohtake Y, Wickner RB. KRB1, a suppressor of mak7-1 (a mutant RPL4A), is RPL4B, a second ribosomal protein L4 gene, on a fragment of *Saccharomyces* chromosome XII. Genetics. 1995 May;140(1):129-37.

YDL061C (RPS29B)

YDL075W (RPL31A)

YDR382W (RPP2B)

YCR031C (RPS14A)

YDR500C (RPL37B)

Boyer J, Michaux G, Fairhead C, Gaillon L, Dujon B. Sequence and analysis of a 26.9 kb fragment from chromosome XV of the yeast *Saccharomyces cerevisiae*. Yeast. 1996 Dec;12(15):1575-86.

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YER074W (RPS24A)

Paulovich AG, Thompson JR, Larkin JC, Li Z, Woolford JL Jr. Molecular genetics of cryptopleurine resistance in *Saccharomyces cerevisiae*: expression of a ribosomal protein gene family. Genetics. 1993 Nov;135(3):719-30.

## YGL030W (RPL30)

Li B, Nierras CR, Warner JR. Transcriptional elements involved in the repression of ribosomal protein synthesis. Mol Cell Biol. 1999 Aug;19(8):5393-404.

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Safrany G, Perry RP. The relative contributions of various transcription factors to the overall promoter strength of the mouse ribosomal protein L30 gene. Eur J Biochem. 1995 Jun 15;230(3):1066-72.

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Hariharan N, Kelley DE, Perry RP. Delta, a transcription factor that binds to downstream elements in several polymerase II promoters, is a functionally versatile zinc finger protein. Proc Natl Acad Sci U S A. 1991 Nov 1;88(21):9799-803.

Batra SK, Metzgar RS, Hollingsworth MA. Molecular cloning and sequence analysis of the human ribosomal protein S16. J Biol Chem. 1991 Apr 15;266(11):6830-3.

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## YIL148W (RPL40A)

### Coregulated genes not in ribosome

## YAL003W (EFB1)

Maneu V, Martinez JP, Gozalbo D. Identification of *Candida albicans* clinical isolates by PCR amplification of an EFB1 gene fragment containing an intron-interrupted open reading frame. Med Mycol. 2000 Apr;38(2):123-6.

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Hasegawa S, Yanagishima N. Selective inhibition of transition from sexual agglutination to zygote formation by ethyl N-phenylcarbamate in Saccharomyces cerevisiae. Arch Microbiol. 1984 Mar;137(3):188-93.

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## YDR025W (RPS11A)

## YDL208W (NHP2)

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